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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590 .

07/14/2004

EXAMINER SMITH PRADICE

Leo J. Peters LSI Logic Corporation MS D-106 1551 McCarthy Blvd. Milpitas, CA 95035 SMITH, BRADLEY

PAPER NUMBER

ART UNIT

DATE MAILED: 07/14/2004

				<u> </u>
APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/631 328	07/30/2003	Kumar Nagarajan	00-253/ID 81605	9915

TITLE OF INVENTION: METHOD OF BALANCED COEFFICIENT OF THERMAL EXPANSION FOR FLIP CHIP BALL GRID ARRAY

APPLN. TYPE	APPLN. TYPE SMALL ENTITY		PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	10/14/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail

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Alexandria, Virginia 22313-1450

(703) 746-4000 or <u>Fax</u>

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks I through 5 should be completed where

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7590 07/14/2004							papers. Each addition
Leo J. Peters LSI Logic Corpora MS D-106 1551 McCarthy Bl	tion			Control I hereby certify that States Postal Service addressed to the Ma	ertificate of Mailing or Tran this Fee(s) Transmittal is bein with sufficient postage for fi ail Stop ISSUE FEE addres PTO (703) 746-4000, on the	ismission ng deposited with the United first class mail in an envelope s above, or being facsimile	
Milpitas, CA 9503:						(Depositor's name)	
						(Signature)	
. (· - · ·				(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED	INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
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				EXPANSION FOR FLIP CH			
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nonprovisional	NO	\$133 0)	\$300	\$1630	10/14/2004	
EXAM	INER	ART UN	IT	CLASS-SUBCLASS]		
SMITH, B	BRADLEY	2824		438-108000			
Address form PTO/SB/12 "Fee Address" indicati PTO/SB/47; Rev 03-02 (Number is required. 3. ASSIGNEE NAME AND	on (or "Fee Address" Indicator more recent) attached. Use PRESIDENCE DATA TO Be an assignee is identified be a 37 CFR 3.11. Completion	cion form e of a Customer E PRINTED ON Telow, no assignce of this form is NOT	or agents O (2) the nam registered a 2 registered listed, no na THE PATENT data will appe: T a substitute for		a member a 2	document has been filed for	
Please check the appropriate	assignee category or catego	ries (will not be pri	inted on the par	tent); 🗖 individual 🗖	corporation or other private g	group entity	
4a. The following fee(s) are	enclosed:	4b	. Payment of F	ee(s):			
☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			☐ A check in the amount of the fee(s) is enclosed.				
			☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to				
Advance Order - # 01	Copies			unt Number		copy of this form).	
5. Change in Entity Status a. Applicant claims SM	(from status indicated above AALL ENTITY status. See 3	,	☐ b. Applican	t is not claiming SMALL EN	ITITY status. See, e.g., 37 CF	FR 1.27(g)(2).	
	ublication Fee (if required) v	vill not be accepted	d from anyone		sly paid issue fee to the applic gistered attorney or agent; or		
(Authorized Signature)		(Date)				-	
This collection of informatic an application. Confidentiali submitting the completed ap this form and/or suggestions Box 1450, Alexandra, Virgi Alexandria, Virginia 22313-	on is required by 37 CFR 1.3 ity is governed by 35 U.S.C. pplication form to the USPT for reducing this burden, shinia 22313-1450. DO NOT 1450.	11. The informatio 122 and 37 CFR O. Time will vary oould be sent to the SEND FEES OR C	on is required to 1.14. This colled depending upon the Chief Information COMPLETED	o obtain or retain a benefit by section is estimated to take 12 on the individual case. Any ca ation Officer, U.S. Patent and FORMS TO THIS ADDRES	the public which is to file (ar minutes to complete, includi comments on the amount of t d Trademark Office, U.S. Dep SS. SEND TO: Commissioner	nd by the USPTO to process) ing gathering, preparing, and time you require to complete partment of Commerce, P.O. for Patents, P.O. Box 1450,	

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	1551 McCarthy Blvd.		2824	
Milpitas, CA 95035	5		DATE MAILED: 07/14/200	4

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.